

G. Amelino-Camelia  
J. Kowalski-Glikman  
(Eds.)

# Planck Scale Effects in Astrophysics and Cosmology

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## **Planck Scale Effects In Astrophysics And Cosmology:**

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these are directly relevant to quantum gravity research

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Eleventh Marcel Grossmann Meeting, The: On Recent Developments In Theoretical And Experimental General Relativity, Gravitation And Relativistic Field Theories (In 3 Volumes) - Proceedings Of The Mg11 Meeting On General Relativity Hagen Kleinert, Robert T Jantzen, Remo Ruffini, 2008-09-04 The Marcel Grossmann Meetings are three yearly forums that meet to discuss recent advances in gravitation general relativity and relativistic field theories emphasizing their mathematical foundations physical predictions and experimental tests These meetings aim to facilitate the exchange of ideas among scientists to deepen our understanding of space time structures and to review the status of ongoing experiments and observations testing Einstein's theory of gravitation either from ground or space based experiments Since the first meeting in 1975 in Trieste Italy which was established by Remo Ruffini and Abdus Salam the range of topics presented at these meetings has gradually widened to accommodate issues of major scientific interest and attendance has grown to attract more than 900 participants from over 80 countries This proceedings volume of

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Richard L. Amoroso, G. Hunter, Menas Kafatos, J.P. Vigiér, 2006-04-11 Jean Pierre Vigiér continually labeled one of les heretiques de la science l eternel resistant et le patriarche is yet a pillar of modern physics and mathematics with one leg firmly planted in theory and the other in empiricism spanning a career of nearly 60 years with a publication vitae quickly approaching 400 He wrote of his mentor Louis de Broglie Great physicists fight great battles which perhaps applies even more so to 1 Jean Pierre Vigiér himself If fortune allows a visit to Paris reported to be the city of love and certainly one of the most beautiful and interesting cities in the world one has been treated to a visual and cultural feast For example a leisurely stroll from the Musee du Louvre along the Champs Elysees to the Arc de Triomphe would instill even the least creative soul with the entelechies of a poets muse It is perhaps open to theoretical interpretation but if causal conditions have allowed one to be a physicist visiting Paris one may have taken opportunity to visit the portion of the old Latin quarter in place Jussieu where Pierre et Marie Curie Universite reported to be the best university in France is stationed      **Realistic**

**Interpretation of Quantum Mechanics** Emilio Santos Corchero, 2022-02-02 According to Einstein a physical theory should offer a picture of reality This made him frustrated and dissatisfied with the standard interpretation or lack thereof of quantum theory since attempts to get a picture from it soon led to contradictions like the wave particle duality This book provides such a picture of the quantum world that is a realistic interpretation Of course this needs to be done in a way that is compatible with today s experimental evidence including the experiments that seem to contradict local realism The book also offers a personal view on the meaning of general relativity and its relation with quantum mechanics proposing a new perspective for dark energy dark matter and stellar collapse It is the result and a summary of the author s extensive research on the foundations of quantum mechanics spanning more than 50 years

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